

ABSTRACT OF THE DISCLOSURE

A fiber optic system for detecting a stroke of a pump, the fiber optic system including a first fiber optic line configured for directing light onto a portion of the pump that moves during the stroke of the pump. The system further includes a second fiber optic line configured for receiving light that has been transmitted from the first fiber optic line and reflected by the portion of the pump, wherein receipt of the light by the second fiber optic line occurs at a specified point during the stroke of the pump. The moving portion of the pump may be the diaphragm, the reciprocating portion, or any other part of the pump that cycles at regular intervals as the pump operates.

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